

GILA RIVER BASIN

09478500 QUEEN CREEK BELOW WHITLOW DAM NEAR SUPERIOR, AZ

LOCATION--Lat 33° 17'57", long 111° 16'37", in NW_{1/4}SE_{1/4} sec. 36, T.1 S., R.10 E., Pinal County, Hydrologic Unit 15050100, 1 mi upstream from Queen Valley and 10 mi west of Superior. Gage is located on the outlet box structure below Whitlow Ranch Dam.

DRAINAGE AREA--144 mi².

PERIOD OF RECORD--Jan. 1896 to Dec. 1897, Jan. 1898 to Aug. 1899 (fragmentary), Feb. to Sept. 1915 (gage-heights only), Oct. 1915 to Sept. 1920, May 1948 to Jan. 1959. Apr. 2001 to current year. Published as "at Whitlow's Ranch" 1896-99, "near Superior" 1915-20 and as "at Whitlow Dam Site nr Superior" 1948-59.

GAGE--Water-stage recorder. Elevation of gage is 2040 ft above sea level, from topographic map. From Jan. 25, 1896, to Aug. 11, 1899, and Feb. 14, 1915 to Sept. 30, 1920, staff gages were operated in the vicinity of the present gage at different datums. Stilling-well gages were operated from May 1, 1948, to Aug. 19, 1954, and Jan. 6, 1955, to Jan. 1959 at sites about 1,100 ft and 800 ft upstream and datums of 2048.96 and 2045.70 ft above mean sea level, respectively.

REMARKS--Records poor.

EXTREMES FOR PERIOD OF RECORD--1915-20, 1948-59: Maximum discharge, 42,900 ft³/s Aug. 19, 1954. No flow at times in each year. 2001-present: Maximum discharge, 620 ft³/s Aug. 14, 2001, estimated. Minimum daily discharge, 0.63 ft³/s June 26-27, Sept. 2-5, 2002.

EXTREMES FOR CURRENT YEAR--Maximum discharge, 3.4 ft³/s Oct. 7 at 2200. Minimum daily discharge, 0.63 ft³/s June 26-27, Sept. 2-5.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.2	2.9	2.7	2.0	2.3	e2.0	1.8	1.8	1.3	1.1	e1.0	0.64
2	3.2	2.9	2.7	1.9	2.3	1.9	1.8	1.6	1.1	0.87	e0.98	0.63
3	3.2	2.9	2.6	1.9	2.3	1.9	1.8	1.4	1.1	0.87	e0.98	0.63
4	3.2	2.9	2.5	1.9	2.3	1.9	1.8	1.4	1.1	0.92	e0.98	0.63
5	3.2	3.0	2.5	1.9	2.2	1.8	1.8	1.4	1.1	0.99	e0.95	0.63
6	3.1	3.1	2.5	1.9	2.1	1.9	1.9	1.4	1.1	1.0	e0.95	0.64
7	3.1	3.1	2.5	1.9	2.1	1.9	1.9	1.5	1.1	0.88	e0.92	0.82
8	3.1	3.0	2.5	1.9	2.0	1.9	1.9	1.6	1.1	0.89	e0.92	0.96
9	3.1	2.8	2.4	1.9	1.8	1.9	1.9	1.7	1.1	1.00	e0.92	0.86
10	3.1	2.8	2.4	1.9	2.1	1.9	1.9	1.7	1.1	1.1	e0.90	0.86
11	3.1	3.0	2.4	1.9	2.1	1.9	1.9	1.6	1.1	1.1	e0.90	0.87
12	3.1	2.9	2.3	1.9	2.0	1.9	1.9	1.4	1.1	1.1	e0.90	0.87
13	3.1	2.9	2.3	1.9	2.1	1.9	2.0	1.2	0.99	1.1	e0.90	0.87
14	3.1	2.9	2.3	1.9	2.1	1.9	1.9	1.1	0.88	0.92	0.87	0.87
15	2.9	2.9	2.3	1.9	1.9	1.9	1.8	1.2	0.89	0.86	0.87	0.87
16	2.9	2.9	2.3	1.9	1.9	1.9	1.9	1.2	0.86	0.90	0.87	0.87
17	2.9	2.9	2.3	1.9	1.9	1.9	1.4	1.3	0.87	0.87	0.89	0.87
18	3.0	2.8	2.3	1.9	1.9	1.9	1.4	1.4	0.88	0.89	0.94	0.87
19	3.1	2.7	2.4	1.9	1.9	2.0	1.4	1.3	0.85	0.86	0.87	0.87
20	3.1	2.7	2.3	2.0	1.9	1.9	1.4	1.1	0.86	0.87	0.89	0.87
21	3.0	2.8	2.3	2.2	1.9	2.0	1.4	1.2	0.70	0.87	0.89	0.87
22	3.0	2.9	2.5	2.5	1.9	1.9	1.4	1.1	0.67	0.87	0.90	0.91
23	3.1	2.9	2.5	2.4	1.9	2.0	1.4	1.2	0.66	e0.87	0.93	0.87
24	3.1	2.8	2.4	2.5	1.9	1.9	1.4	1.3	0.66	e0.87	0.89	0.87
25	3.0	2.8	2.5	2.3	1.9	1.9	1.6	1.4	0.67	0.86	0.87	0.87
26	3.0	2.8	2.3	2.3	1.9	1.9	1.6	1.4	0.63	0.87	0.87	0.85
27	3.1	2.8	2.2	2.3	1.9	1.9	1.6	1.3	0.63	0.87	0.87	0.86
28	3.1	2.9	2.1	2.3	e2.0	1.9	1.6	1.2	0.64	0.86	0.94	0.81
29	3.1	2.9	2.1	2.3	---	1.9	1.9	1.2	0.79	0.90	1.1	0.82
30	3.0	2.8	2.1	2.4	---	1.9	1.8	1.2	1.2	0.88	1.0	0.85
31	2.9	---	2.0	2.4	---	1.9	---	1.3	---	1.0	0.75	---
TOTAL	95.2	86.4	73.5	64.1	56.5	59.2	51.2	42.1	27.73	28.81	28.41	24.58
MEAN	3.071	2.880	2.371	2.068	2.018	1.910	1.707	1.358	0.924	0.929	0.916	0.819
MAX	3.2	3.1	2.7	2.5	2.3	2.0	2.0	1.8	1.3	1.1	1.1	0.96
MIN	2.9	2.7	2.0	1.9	1.8	1.8	1.4	1.1	0.63	0.86	0.75	0.63
MED	3.1	2.9	2.4	1.9	2.0	1.9	1.8	1.3	0.89	0.88	0.90	0.87
AC-FT	189	171	146	127	112	117	102	84	55	57	56	49
CFSM	0.02	0.02	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01

e Estimated